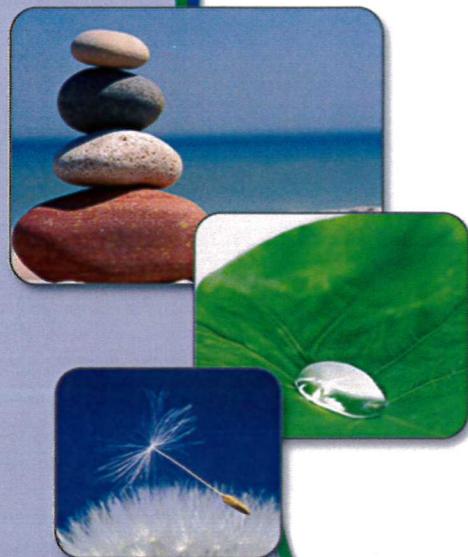


TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Buffalo

10 Hazelwood Drive

Amherst, NY 14228-2298

Tel: (716)691-2600

TestAmerica Job ID: 480-28687-1

Client Project/Site: Olin Chemical Wilmington MA Superfund S

For:

Olin Corporation

PO BOX 248

Charleston, Tennessee 37310-0248

Attn: Mr. James Cashwell

A handwritten signature in black ink, appearing to read "Joseph Chimi".

Authorized for release by:

12/3/2012 3:58:56 PM

Joe Chimi

Report Production Representative

joe.chimi@testamericainc.com

Designee for

Becky Mason

Project Manager II

becky.mason@testamericainc.com

LINKS

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results through

TotalAccess

Have a Question?

A button featuring a large question mark icon and the text "Ask The Expert" in blue.

Visit us at:

www.testamericainc.com

CHECKED FOR COMPLETENESS
OF PARAMETERS ORDERED BY:

[Signature] *Wasburn*
12/12/12

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	7
Client Sample Results	9
QC Sample Results	11
QC Association Summary	14
Lab Chronicle	16
Certification Summary	18
Method Summary	19
Sample Summary	20
Receipt Checklists	21
Chain of Custody	22

Definitions/Glossary

Client: Olin Corporation

Project/Site: Olin Chemical Wilmington MA Superfund S

TestAmerica Job ID: 480-28687-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
F	MS or MSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation

These commonly used abbreviations may or may not be present in this report.

☀	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDA	Minimum detectable activity
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Olin Corporation
Project/Site: Olin Chemical Wilmington MA Superfund S

TestAmerica Job ID: 480-28687-1

Job ID: 480-28687-1

Laboratory: TestAmerica Buffalo

Narrative

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 11/16/2012; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 3.5 C.

TOTAL METALS (ICP)

Samples OC-GW-201S (480-28687-1), OC-GW-34D (480-28687-2), OC-GW-34SR (480-28687-3), OC-GW-35S (480-28687-4), OC-GW-43SR (480-28687-5) and OC-GW-CA1 (480-28687-6) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010. The samples were prepared on 11/20/2012 and analyzed on 11/21/2012.

At the request of the client, an abbreviated/modified MCP analyte list was reported for this job.

No difficulties were encountered during the metals (ICP) analyses.

All quality control parameters were within the acceptance limits.

SPECIFIC CONDUCTIVITY

Samples OC-GW-201S (480-28687-1), OC-GW-34D (480-28687-2), OC-GW-34SR (480-28687-3), OC-GW-35S (480-28687-4), OC-GW-43SR (480-28687-5) and OC-GW-CA1 (480-28687-6) were analyzed for specific conductivity in accordance with SM20 2510B. The samples were analyzed on 11/21/2012.

No difficulties were encountered during the conductivity analyses.

All quality control parameters were within the acceptance limits.

ANIONS (28 DAY HOLD TIME)

Samples OC-GW-201S (480-28687-1), OC-GW-34D (480-28687-2), OC-GW-34SR (480-28687-3), OC-GW-35S (480-28687-4), OC-GW-43SR (480-28687-5) and OC-GW-CA1 (480-28687-6) were analyzed for anions (28 day hold time) in accordance with EPA Method 300.0. The samples were analyzed on 11/26/2012 and 11/28/2012.

Chloride failed the recovery criteria high for the MS of sample OC-GW-201SMS (480-28687-1) in batch 480-92709. The associated LCS recovered within control limits. Refer to the QC report for details.

Samples OC-GW-201S (480-28687-1)[20X], OC-GW-201S (480-28687-1)[5X], OC-GW-35S (480-28687-4)[2X] and OC-GW-43SR (480-28687-5)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the anions analyses.

All other quality control parameters were within the acceptance limits.

AMMONIA

Samples OC-GW-201S (480-28687-1), OC-GW-34D (480-28687-2), OC-GW-34SR (480-28687-3), OC-GW-35S (480-28687-4), OC-GW-43SR (480-28687-5) and OC-GW-CA1 (480-28687-6) were analyzed for ammonia in accordance with EPA Method 350.1. The samples were analyzed on 11/20/2012.

Case Narrative

Client: Olin Corporation

Project/Site: Olin Chemical Wilmington MA Superfund S

TestAmerica Job ID: 480-28687-1

Job ID: 480-28687-1 (Continued)

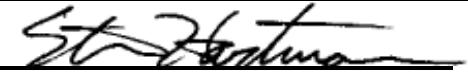
Laboratory: TestAmerica Buffalo (Continued)

Samples OC-GW-201S (480-28687-1)[250X], OC-GW-34D (480-28687-2)[10X] and OC-GW-35S (480-28687-4)[10X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No difficulties were encountered during the ammonia analyses.

All quality control parameters were within the acceptance limits.

MassDEP Analytical Protocol Certification Form

Laboratory Name:	TestAmerica Buffalo		Project #:	480-28687-1	
Project Location:	Olin Chemical Superfund Site			RTN:	
This form provides certifications for the following data set: list Laboratory Sample ID Number(s):					
480-28687-(1-6)					
Matrices:	<input checked="" type="checkbox"/> Groundwater/Surface Water <input type="checkbox"/> Soil/Sediment <input type="checkbox"/> Drinking Water <input type="checkbox"/> Air <input type="checkbox"/> Other:				
CAM Protocols (check all that apply below):					
8260 VOC CAM II A	<input type="checkbox"/> 7470/7471 Hg <input type="checkbox"/> CAM III B	<input type="checkbox"/> Mass DEP VPH <input type="checkbox"/> CAM IV A	<input type="checkbox"/> 8081 Pesticides <input type="checkbox"/> CAM V B	<input type="checkbox"/> 7196 Hex Cr <input type="checkbox"/> CAM VI B	<input type="checkbox"/> Mass DEP APH <input type="checkbox"/> CAM IX A
8270 SVOC CAM II B	<input type="checkbox"/> 7010 Metals <input type="checkbox"/> CAM III C	<input type="checkbox"/> Mass DEP EPH <input type="checkbox"/> CAM IV B	<input type="checkbox"/> 8151 Herbicides <input type="checkbox"/> CAM V C	<input type="checkbox"/> 8330 Explosives <input type="checkbox"/> CAM VIII A	<input type="checkbox"/> TO-15 VOC <input type="checkbox"/> CAM IX B
6010 Metals CAM III A	<input checked="" type="checkbox"/> 6020 Metals <input type="checkbox"/> CAM III D	<input type="checkbox"/> 8082 PCB <input type="checkbox"/> CAM V A	<input type="checkbox"/> 9014 Total Cyanide/PAC <input type="checkbox"/> CAM VI A	<input type="checkbox"/> 6860 Perchlorate <input type="checkbox"/> CAM VIII B	
Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status					
A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding time.				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?				<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Responses to Questions G, H and I below are required for "Presumptive Certainty" status					
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
Data User Note: Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WCS-07-350					
H	Were all QC performance standards specified in the CAM protocol(s) achieved?				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ¹
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ¹
¹ All negative responses must be addressed in an attached laboratory narrative.					
I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.					
Signature:				Position: Laboratory Director-TestAmerica Westfield	
Printed Name:	Steven C. Hartmann			Date:	12/3/12 15:54
This form has been electronically signed and approved					

Detection Summary

Client: Olin Corporation

TestAmerica Job ID: 480-28687-1

Project/Site: Olin Chemical Wilmington MA Superfund S

Client Sample ID: OC-GW-201S

Lab Sample ID: 480-28687-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.041		0.0050	0.0010	mg/L	1		6010	Dissolved
Chloride	120		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	1400		40	7.0	mg/L	20		300.0	Total/NA
Ammonia	140		5.0	2.3	mg/L	250		350.1	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	3800		1.0	1.0	umhos/cm	1		SM 2510B	Total/NA

Client Sample ID: OC-GW-34D

Lab Sample ID: 480-28687-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.017		0.0050	0.0010	mg/L	1		6010	Dissolved
Chloride	12		0.50	0.28	mg/L	1		300.0	Total/NA
Sulfate	28		2.0	0.35	mg/L	1		300.0	Total/NA
Ammonia	12		0.20	0.090	mg/L	10		350.1	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	200		1.0	1.0	umhos/cm	1		SM 2510B	Total/NA

Client Sample ID: OC-GW-34SR

Lab Sample ID: 480-28687-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.0017	J	0.0050	0.0010	mg/L	1		6010	Dissolved
Chloride	1.6		0.50	0.28	mg/L	1		300.0	Total/NA
Sulfate	8.9		2.0	0.35	mg/L	1		300.0	Total/NA
Ammonia	0.012	J	0.020	0.0090	mg/L	1		350.1	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	70		1.0	1.0	umhos/cm	1		SM 2510B	Total/NA

Client Sample ID: OC-GW-35S

Lab Sample ID: 480-28687-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.029		0.0050	0.0010	mg/L	1		6010	Dissolved
Chloride	4.6		0.50	0.28	mg/L	1		300.0	Total/NA
Sulfate	96		4.0	0.70	mg/L	2		300.0	Total/NA
Ammonia	14		0.20	0.090	mg/L	10		350.1	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	490		1.0	1.0	umhos/cm	1		SM 2510B	Total/NA

Client Sample ID: OC-GW-43SR

Lab Sample ID: 480-28687-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	0.081	J	0.20	0.060	mg/L	1		6010	Dissolved
Chloride	150		2.5	1.4	mg/L	5		300.0	Total/NA
Sulfate	30		2.0	0.35	mg/L	1		300.0	Total/NA
Ammonia	1.2		0.020	0.0090	mg/L	1		350.1	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	610		1.0	1.0	umhos/cm	1		SM 2510B	Total/NA

Client Sample ID: OC-GW-CA1

Lab Sample ID: 480-28687-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.015		0.0050	0.0010	mg/L	1		6010	Dissolved

TestAmerica Buffalo

Detection Summary

Client: Olin Corporation

Project/Site: Olin Chemical Wilmington MA Superfund S

TestAmerica Job ID: 480-28687-1

Client Sample ID: OC-GW-CA1 (Continued)

Lab Sample ID: 480-28687-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	13		0.50	0.28	mg/L	1		300.0	Total/NA
Sulfate	85		2.0	0.35	mg/L	1		300.0	Total/NA
Ammonia	1.3		0.020	0.0090	mg/L	1		350.1	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Specific Conductance	560		1.0	1.0	umhos/cm	1		SM 2510B	Total/NA

Client Sample Results

Client: Olin Corporation

Project/Site: Olin Chemical Wilmington MA Superfund S

TestAmerica Job ID: 480-28687-1

Client Sample ID: OC-GW-201S

Lab Sample ID: 480-28687-1

Matrix: Water

Date Collected: 11/15/12 09:00

Date Received: 11/16/12 08:00

Method: 6010 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.041		0.0050	0.0010	mg/L		11/20/12 07:45	11/21/12 16:23	1
Aluminum	ND		0.20	0.060	mg/L		11/20/12 07:45	11/21/12 16:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	120		2.5	1.4	mg/L		11/26/12 18:29		5
Sulfate	1400		40	7.0	mg/L		11/28/12 22:41		20
Ammonia	140		5.0	2.3	mg/L		11/20/12 16:28		250
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	3800		1.0	1.0	umhos/cm		11/21/12 16:00		1

Client Sample ID: OC-GW-34D

Lab Sample ID: 480-28687-2

Matrix: Water

Date Collected: 11/15/12 10:15

Date Received: 11/16/12 08:00

Method: 6010 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.017		0.0050	0.0010	mg/L		11/20/12 07:45	11/21/12 16:26	1
Aluminum	ND		0.20	0.060	mg/L		11/20/12 07:45	11/21/12 16:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	12		0.50	0.28	mg/L		11/26/12 19:10		1
Sulfate	28		2.0	0.35	mg/L		11/26/12 19:10		1
Ammonia	12		0.20	0.090	mg/L		11/20/12 15:19		10
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	200		1.0	1.0	umhos/cm		11/21/12 16:00		1

Client Sample ID: OC-GW-34SR

Lab Sample ID: 480-28687-3

Matrix: Water

Date Collected: 11/15/12 09:45

Date Received: 11/16/12 08:00

Method: 6010 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.0017	J	0.0050	0.0010	mg/L		11/20/12 07:45	11/21/12 16:28	1
Aluminum	ND		0.20	0.060	mg/L		11/20/12 07:45	11/21/12 16:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.6		0.50	0.28	mg/L		11/26/12 19:20		1
Sulfate	8.9		2.0	0.35	mg/L		11/26/12 19:20		1
Ammonia	0.012	J	0.020	0.0090	mg/L		11/20/12 13:36		1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	70		1.0	1.0	umhos/cm		11/21/12 16:00		1

TestAmerica Buffalo

Client Sample Results

Client: Olin Corporation

Project/Site: Olin Chemical Wilmington MA Superfund S

TestAmerica Job ID: 480-28687-1

Client Sample ID: OC-GW-35S

Lab Sample ID: 480-28687-4

Matrix: Water

Date Collected: 11/15/12 11:05

Date Received: 11/16/12 08:00

Method: 6010 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.029		0.0050	0.0010	mg/L		11/20/12 07:45	11/21/12 16:30	1
Aluminum	ND		0.20	0.060	mg/L		11/20/12 07:45	11/21/12 16:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.6		0.50	0.28	mg/L			11/26/12 19:30	1
Sulfate	96		4.0	0.70	mg/L			11/28/12 22:51	2
Ammonia	14		0.20	0.090	mg/L			11/20/12 15:20	10
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	490		1.0	1.0	umhos/cm			11/21/12 16:00	1

Client Sample ID: OC-GW-43SR

Lab Sample ID: 480-28687-5

Matrix: Water

Date Collected: 11/15/12 12:50

Date Received: 11/16/12 08:00

Method: 6010 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0050	0.0010	mg/L		11/20/12 07:45	11/21/12 16:37	1
Aluminum	0.081	J	0.20	0.060	mg/L		11/20/12 07:45	11/21/12 16:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	150		2.5	1.4	mg/L			11/28/12 23:21	5
Sulfate	30		2.0	0.35	mg/L			11/26/12 19:40	1
Ammonia	1.2		0.020	0.0090	mg/L			11/20/12 13:38	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	610		1.0	1.0	umhos/cm			11/21/12 16:00	1

Client Sample ID: OC-GW-CA1

Lab Sample ID: 480-28687-6

Matrix: Water

Date Collected: 11/15/12 11:50

Date Received: 11/16/12 08:00

Method: 6010 - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.015		0.0050	0.0010	mg/L		11/20/12 07:45	11/21/12 16:39	1
Aluminum	ND		0.20	0.060	mg/L		11/20/12 07:45	11/21/12 16:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	13		0.50	0.28	mg/L			11/26/12 19:50	1
Sulfate	85		2.0	0.35	mg/L			11/26/12 19:50	1
Ammonia	1.3		0.020	0.0090	mg/L			11/20/12 13:39	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	560		1.0	1.0	umhos/cm			11/21/12 16:00	1

TestAmerica Buffalo

QC Sample Results

Client: Olin Corporation

TestAmerica Job ID: 480-28687-1

Project/Site: Olin Chemical Wilmington MA Superfund S

Method: 6010 - Metals (ICP)

Lab Sample ID: MB 480-91720/5-B

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Dissolved

Analysis Batch: 92413

Prep Batch: 91836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND		0.0050	0.0010	mg/L		11/20/12 07:45	11/21/12 16:16	1
Aluminum	ND		0.20	0.060	mg/L		11/20/12 07:45	11/21/12 16:16	1

Lab Sample ID: LCS 480-91720/6-B

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Dissolved

Analysis Batch: 92413

Prep Batch: 91836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chromium	0.200	0.209		mg/L		104	80 - 120
Aluminum	10.0	10.2		mg/L		102	80 - 120

Lab Sample ID: LCSD 480-91720/22-B

Client Sample ID: Lab Control Sample Dup

Matrix: Water

Prep Type: Dissolved

Analysis Batch: 92413

Prep Batch: 91836

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Chromium	0.200	0.216		mg/L		108	80 - 120	3	20
Aluminum	10.0	10.4		mg/L		104	80 - 120	2	20

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 480-92709/28

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 92709

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		0.50	0.28	mg/L			11/26/12 17:18	1
Sulfate	ND		2.0	0.35	mg/L			11/26/12 17:18	1

Lab Sample ID: LCS 480-92709/27

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 92709

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Chloride	20.0	21.0		mg/L		105	90 - 110
Sulfate	20.0	21.5		mg/L		108	90 - 110

Lab Sample ID: 480-28687-1 MS

Client Sample ID: OC-GW-201S

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 92709

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limts
Chloride	120		125	271	F	mg/L		121	90 - 110

TestAmerica Buffalo

QC Sample Results

Client: Olin Corporation

TestAmerica Job ID: 480-28687-1

Project/Site: Olin Chemical Wilmington MA Superfund S

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: MB 480-93121/52

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 93121

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chloride	ND		0.50	0.28	mg/L			11/28/12 21:30	1
Sulfate	ND		2.0	0.35	mg/L			11/28/12 21:30	1

Lab Sample ID: LCS 480-93121/51

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 93121

Analyte	MB	MB	Spike	LCS	LCS	Unit	D	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier				
Chloride			20.0	18.9		mg/L		95	90 - 110
Sulfate			20.0	19.4		mg/L		97	90 - 110

Method: 350.1 - Nitrogen, Ammonia

Lab Sample ID: MB 480-92063/171

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 92063

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ammonia	ND		0.020	0.0090	mg/L			11/20/12 14:41	1

Lab Sample ID: MB 480-92063/195

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 92063

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ammonia	ND		0.020	0.0090	mg/L			11/20/12 15:05	1

Lab Sample ID: MB 480-92063/51

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 92063

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ammonia	ND		0.020	0.0090	mg/L			11/20/12 12:44	1

Lab Sample ID: MB 480-92063/99

Client Sample ID: Method Blank

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 92063

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Ammonia	ND		0.020	0.0090	mg/L			11/20/12 13:30	1

Lab Sample ID: LCS 480-92063/100

Client Sample ID: Lab Control Sample

Matrix: Water

Prep Type: Total/NA

Analysis Batch: 92063

Analyte	MB	MB	Spike	LCS	LCS	Unit	D	%Rec.	Limits
	Result	Qualifier		Result	Qualifier				
Ammonia			1.00	0.985		mg/L		99	90 - 110

TestAmerica Buffalo

QC Sample Results

Client: Olin Corporation

TestAmerica Job ID: 480-28687-1

Project/Site: Olin Chemical Wilmington MA Superfund S

Method: 350.1 - Nitrogen, Ammonia (Continued)

Lab Sample ID: LCS 480-92063/172

Matrix: Water

Analysis Batch: 92063

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Ammonia	1.00	0.988		mg/L		99	90 - 110

Lab Sample ID: LCS 480-92063/196

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analysis Batch: 92063

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Ammonia	1.00	0.986		mg/L		99	90 - 110

Lab Sample ID: LCS 480-92063/52

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analysis Batch: 92063

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Ammonia	1.00	0.978		mg/L		98	90 - 110

Lab Sample ID: MB 480-92072/3

Client Sample ID: Method Blank

Prep Type: Total/NA

Matrix: Water

Analysis Batch: 92072

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.020	0.0090	mg/L			11/20/12 16:21	1

Lab Sample ID: LCS 480-92072/4

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Matrix: Water

Analysis Batch: 92072

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
Ammonia	1.00	0.989		mg/L		99	90 - 110

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: 480-28687-6 DU

Client Sample ID: OC-GW-CA1

Prep Type: Total/NA

Matrix: Water

Analysis Batch: 92317

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Specific Conductance	560		560		umhos/cm		0.2	20

TestAmerica Buffalo

QC Association Summary

Client: Olin Corporation

Project/Site: Olin Chemical Wilmington MA Superfund S

TestAmerica Job ID: 480-28687-1

Metals

Prep Batch: 91836

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28687-1	OC-GW-201S	Dissolved	Water	3005A	5
480-28687-2	OC-GW-34D	Dissolved	Water	3005A	6
480-28687-3	OC-GW-34SR	Dissolved	Water	3005A	7
480-28687-4	OC-GW-35S	Dissolved	Water	3005A	8
480-28687-5	OC-GW-43SR	Dissolved	Water	3005A	9
480-28687-6	OC-GW-CA1	Dissolved	Water	3005A	10
LCS 480-91720/6-B	Lab Control Sample	Dissolved	Water	3005A	11
LCSD 480-91720/22-B	Lab Control Sample Dup	Dissolved	Water	3005A	12
MB 480-91720/5-B	Method Blank	Dissolved	Water	3005A	13

Analysis Batch: 92413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28687-1	OC-GW-201S	Dissolved	Water	6010	91836
480-28687-2	OC-GW-34D	Dissolved	Water	6010	91836
480-28687-3	OC-GW-34SR	Dissolved	Water	6010	91836
480-28687-4	OC-GW-35S	Dissolved	Water	6010	91836
480-28687-5	OC-GW-43SR	Dissolved	Water	6010	91836
480-28687-6	OC-GW-CA1	Dissolved	Water	6010	91836
LCS 480-91720/6-B	Lab Control Sample	Dissolved	Water	6010	91836
LCSD 480-91720/22-B	Lab Control Sample Dup	Dissolved	Water	6010	91836
MB 480-91720/5-B	Method Blank	Dissolved	Water	6010	91836

General Chemistry

Analysis Batch: 92063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28687-2	OC-GW-34D	Total/NA	Water	350.1	
480-28687-3	OC-GW-34SR	Total/NA	Water	350.1	
480-28687-4	OC-GW-35S	Total/NA	Water	350.1	
480-28687-5	OC-GW-43SR	Total/NA	Water	350.1	
480-28687-6	OC-GW-CA1	Total/NA	Water	350.1	
LCS 480-92063/100	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-92063/172	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-92063/196	Lab Control Sample	Total/NA	Water	350.1	
LCS 480-92063/52	Lab Control Sample	Total/NA	Water	350.1	
MB 480-92063/171	Method Blank	Total/NA	Water	350.1	
MB 480-92063/195	Method Blank	Total/NA	Water	350.1	
MB 480-92063/51	Method Blank	Total/NA	Water	350.1	
MB 480-92063/99	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 92072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28687-1	OC-GW-201S	Total/NA	Water	350.1	
LCS 480-92072/4	Lab Control Sample	Total/NA	Water	350.1	
MB 480-92072/3	Method Blank	Total/NA	Water	350.1	

Analysis Batch: 92317

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28687-1	OC-GW-201S	Total/NA	Water	SM 2510B	
480-28687-2	OC-GW-34D	Total/NA	Water	SM 2510B	

TestAmerica Buffalo

QC Association Summary

Client: Olin Corporation

Project/Site: Olin Chemical Wilmington MA Superfund S

TestAmerica Job ID: 480-28687-1

General Chemistry (Continued)

Analysis Batch: 92317 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28687-3	OC-GW-34SR	Total/NA	Water	SM 2510B	
480-28687-4	OC-GW-35S	Total/NA	Water	SM 2510B	
480-28687-5	OC-GW-43SR	Total/NA	Water	SM 2510B	
480-28687-6	OC-GW-CA1	Total/NA	Water	SM 2510B	
480-28687-6 DU	OC-GW-CA1	Total/NA	Water	SM 2510B	
LCS 480-92317/1	Lab Control Sample	Total/NA	Water	SM 2510B	

Analysis Batch: 92709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28687-1	OC-GW-201S	Total/NA	Water	300.0	
480-28687-1 MS	OC-GW-201S	Total/NA	Water	300.0	
480-28687-2	OC-GW-34D	Total/NA	Water	300.0	
480-28687-3	OC-GW-34SR	Total/NA	Water	300.0	
480-28687-4	OC-GW-35S	Total/NA	Water	300.0	
480-28687-5	OC-GW-43SR	Total/NA	Water	300.0	
480-28687-6	OC-GW-CA1	Total/NA	Water	300.0	
LCS 480-92709/27	Lab Control Sample	Total/NA	Water	300.0	
MB 480-92709/28	Method Blank	Total/NA	Water	300.0	

Analysis Batch: 93121

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-28687-1	OC-GW-201S	Total/NA	Water	300.0	
480-28687-4	OC-GW-35S	Total/NA	Water	300.0	
480-28687-5	OC-GW-43SR	Total/NA	Water	300.0	
LCS 480-93121/51	Lab Control Sample	Total/NA	Water	300.0	
MB 480-93121/52	Method Blank	Total/NA	Water	300.0	

Lab Chronicle

Client: Olin Corporation

TestAmerica Job ID: 480-28687-1

Project/Site: Olin Chemical Wilmington MA Superfund S

Client Sample ID: OC-GW-201S

Lab Sample ID: 480-28687-1

Date Collected: 11/15/12 09:00

Matrix: Water

Date Received: 11/16/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	91836	11/20/12 07:45	JM	TAL BUF
Dissolved	Analysis	6010		1			92413	11/21/12 16:23	LH	TAL BUF
Total/NA	Analysis	350.1		250	5 mL	5 mL	92072	11/20/12 16:28	KS	TAL BUF
Total/NA	Analysis	SM 2510B		1			92317	11/21/12 16:00	LK	TAL BUF
Total/NA	Analysis	300.0		5	1 mL	1.0 mL	92709	11/26/12 18:29	KC	TAL BUF
Total/NA	Analysis	300.0		20	1 mL	1.0 mL	93121	11/28/12 22:41	KC	TAL BUF

Client Sample ID: OC-GW-34D

Lab Sample ID: 480-28687-2

Date Collected: 11/15/12 10:15

Matrix: Water

Date Received: 11/16/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	91836	11/20/12 07:45	JM	TAL BUF
Dissolved	Analysis	6010		1			92413	11/21/12 16:26	LH	TAL BUF
Total/NA	Analysis	350.1		10	5 mL	5 mL	92063	11/20/12 15:19	KS	TAL BUF
Total/NA	Analysis	SM 2510B		1			92317	11/21/12 16:00	LK	TAL BUF
Total/NA	Analysis	300.0		1	1 mL	1.0 mL	92709	11/26/12 19:10	KC	TAL BUF

Client Sample ID: OC-GW-34SR

Lab Sample ID: 480-28687-3

Date Collected: 11/15/12 09:45

Matrix: Water

Date Received: 11/16/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	91836	11/20/12 07:45	JM	TAL BUF
Dissolved	Analysis	6010		1			92413	11/21/12 16:28	LH	TAL BUF
Total/NA	Analysis	350.1		1	5 mL	5 mL	92063	11/20/12 13:36	KS	TAL BUF
Total/NA	Analysis	SM 2510B		1			92317	11/21/12 16:00	LK	TAL BUF
Total/NA	Analysis	300.0		1	1 mL	1.0 mL	92709	11/26/12 19:20	KC	TAL BUF

Client Sample ID: OC-GW-35S

Lab Sample ID: 480-28687-4

Date Collected: 11/15/12 11:05

Matrix: Water

Date Received: 11/16/12 08:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	91836	11/20/12 07:45	JM	TAL BUF
Dissolved	Analysis	6010		1			92413	11/21/12 16:30	LH	TAL BUF
Total/NA	Analysis	350.1		10	5 mL	5 mL	92063	11/20/12 15:20	KS	TAL BUF
Total/NA	Analysis	SM 2510B		1			92317	11/21/12 16:00	LK	TAL BUF
Total/NA	Analysis	300.0		1	1 mL	1.0 mL	92709	11/26/12 19:30	KC	TAL BUF
Total/NA	Analysis	300.0		2	1 mL	1.0 mL	93121	11/28/12 22:51	KC	TAL BUF

TestAmerica Buffalo

Lab Chronicle

Client: Olin Corporation
Project/Site: Olin Chemical Wilmington MA Superfund S

TestAmerica Job ID: 480-28687-1

Client Sample ID: OC-GW-43SR

Date Collected: 11/15/12 12:50

Date Received: 11/16/12 08:00

Lab Sample ID: 480-28687-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	91836	11/20/12 07:45	JM	TAL BUF
Dissolved	Analysis	6010		1			92413	11/21/12 16:37	LH	TAL BUF
Total/NA	Analysis	350.1		1	5 mL	5 mL	92063	11/20/12 13:38	KS	TAL BUF
Total/NA	Analysis	SM 2510B		1			92317	11/21/12 16:00	LK	TAL BUF
Total/NA	Analysis	300.0		1	1 mL	1.0 mL	92709	11/26/12 19:40	KC	TAL BUF
Total/NA	Analysis	300.0		5	1 mL	1.0 mL	93121	11/28/12 23:21	KC	TAL BUF

Client Sample ID: OC-GW-CA1

Date Collected: 11/15/12 11:50

Date Received: 11/16/12 08:00

Lab Sample ID: 480-28687-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3005A			50 mL	50 mL	91836	11/20/12 07:45	JM	TAL BUF
Dissolved	Analysis	6010		1			92413	11/21/12 16:39	LH	TAL BUF
Total/NA	Analysis	350.1		1	5 mL	5 mL	92063	11/20/12 13:39	KS	TAL BUF
Total/NA	Analysis	SM 2510B		1			92317	11/21/12 16:00	LK	TAL BUF
Total/NA	Analysis	300.0		1	1 mL	1.0 mL	92709	11/26/12 19:50	KC	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Certification Summary

Client: Olin Corporation

Project/Site: Olin Chemical Wilmington MA Superfund S

TestAmerica Job ID: 480-28687-1

Laboratory: TestAmerica Buffalo

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0686	07-06-13
California	NELAC	9	1169CA	09-30-13
Connecticut	State Program	1	PH-0568	09-30-14
Florida	NELAC	4	E87672	06-30-13
Georgia	State Program	4	N/A	03-31-13
Georgia	State Program	4	956	06-30-13
Georgia	State Program	4	956	06-30-13
Illinois	NELAC	5	200003	09-30-13
Iowa	State Program	7	374	03-01-13
Kansas	NELAC	7	E-10187	01-31-13
Kentucky	State Program	4	90029	12-31-12
Kentucky (UST)	State Program	4	30	04-01-13
Louisiana	NELAC	6	02031	06-30-13
Maine	State Program	1	NY00044	12-04-12
Maryland	State Program	3	294	03-31-13
Massachusetts	State Program	1	M-NY044	06-30-13
Michigan	State Program	5	9937	04-01-13
Minnesota	NELAC	5	036-999-337	12-31-12
New Hampshire	NELAC	1	2973	09-11-13
New Hampshire	NELAC	1	2337	11-17-13
New Jersey	NELAC	2	NY455	06-30-13
New York	NELAC	2	10026	03-31-13
North Dakota	State Program	8	R-176	03-31-13
Oklahoma	State Program	6	9421	08-31-13
Oregon	NELAC	10	NY200003	06-09-13
Pennsylvania	NELAC	3	68-00281	07-31-13
Rhode Island	State Program	1	LAO00328	12-31-13
Tennessee	State Program	4	TN02970	04-01-13
Texas	NELAC	6	T104704412-11-2	07-31-13
USDA	Federal		P330-11-00386	11-22-14
Virginia	NELAC	3	460185	09-14-13
Washington	State Program	10	C784	02-10-13
West Virginia DEP	State Program	3	252	09-30-13
Wisconsin	State Program	5	998310390	08-31-13

TestAmerica Buffalo

Method Summary

Client: Olin Corporation

TestAmerica Job ID: 480-28687-1

Project/Site: Olin Chemical Wilmington MA Superfund S

Method	Method Description	Protocol	Laboratory
6010	Metals (ICP)	SW846	TAL BUF
300.0	Anions, Ion Chromatography	MCAWW	TAL BUF
350.1	Nitrogen, Ammonia	MCAWW	TAL BUF
SM 2510B	Conductivity, Specific Conductance	SM	TAL BUF

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Sample Summary

Client: Olin Corporation

Project/Site: Olin Chemical Wilmington MA Superfund S

TestAmerica Job ID: 480-28687-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-28687-1	OC-GW-201S	Water	11/15/12 09:00	11/16/12 08:00
480-28687-2	OC-GW-34D	Water	11/15/12 10:15	11/16/12 08:00
480-28687-3	OC-GW-34SR	Water	11/15/12 09:45	11/16/12 08:00
480-28687-4	OC-GW-35S	Water	11/15/12 11:05	11/16/12 08:00
480-28687-5	OC-GW-43SR	Water	11/15/12 12:50	11/16/12 08:00
480-28687-6	OC-GW-CA1	Water	11/15/12 11:50	11/16/12 08:00

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Login Sample Receipt Checklist

Client: Olin Corporation

Job Number: 480-28687-1

Login Number: 28687

List Source: TestAmerica Buffalo

List Number: 1

Creator: Janish, Carl

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	AMEC
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Chain of Custody Record

Client Information		Sampler Name Phone		Lab PM Mason, Becky C E-Mail mason@testamericanainc.com		Carrier Tracking No(s) COC No 360-16735-3200.1 Page Page 1 of 2 Job #	
Analysis Requested <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological <input type="checkbox"/> Deliverable Requested: I, II, III, IV, Other (specify)							
Due Date Requested: <u>5/15/12</u> TAT Requested (days): PO# REV0013 WO# Project # 36001816 Site SSOW#							
Total Number of Containers: <input checked="" type="checkbox"/> Preservation Codes: A - HCl M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Ammonia S - H2SO4 H - Ascorbic Acid T - TSP Dodecylhydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify) Other:							
Special Instructions/Note: Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Part from MSDS Yes or No <input type="checkbox"/> LACH-107-06_1-B - Ammonia 6010B, 300.0-28D 2510B, 300.0-28D							
Sample Identification		Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=oil, B=tissue, A=Air)	Preservation Code:	S D N
OC-GW-2015	<u>11/15/12</u>	<u>0900</u>	<u>C</u>	<u>Water</u>	<u>Y</u>	<u>N</u>	<u>X X X</u>
OC-GW-26	<u>11/15/12</u>	<u>1015</u>	<u>C</u>	<u>Water</u>	<u>Y</u>	<u>N</u>	<u>X X X</u>
OC-GW-34D	<u>11/15/12</u>	<u>0945</u>	<u>C</u>	<u>Water</u>	<u>Y</u>	<u>N</u>	<u>X X X</u>
OC-GW-34SR	<u>11/15/12</u>	<u>1105</u>	<u>C</u>	<u>Water</u>	<u>Y</u>	<u>N</u>	<u>X X X</u>
OC-GW-35S	<u>11/15/12</u>	<u>-</u>	<u>C</u>	<u>Water</u>	<u>Y</u>	<u>N</u>	<u>-</u>
OC-GW-42S	<u>11/15/12</u>	<u>-</u>	<u>C</u>	<u>Water</u>	<u>Y</u>	<u>N</u>	<u>X X X</u>
OC-GW-43SR	<u>11/15/12</u>	<u>1250</u>	<u>C</u>	<u>Water</u>	<u>Y</u>	<u>N</u>	<u>X X X</u>
OC-GW-63	<u>11/15/12</u>	<u>-</u>	<u>C</u>	<u>Water</u>	<u>Y</u>	<u>N</u>	<u>-</u>
OC-GW-CA1	<u>11/15/12</u>	<u>1150</u>	<u>C</u>	<u>Water</u>	<u>Y</u>	<u>N</u>	<u>X X X</u>
Possible Hazard Identification	<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For Months
Empty Kit Relinquished by	Date/Time	Date/Time	Company	Received by / <u>Becky C</u>	Method of Shipment		
Relinquished by <u>Becky C</u>	<u>11/15/12</u>	<u>1445</u>	Company <u>TestAmerica</u>	Received by <u>Becky C</u>	Date/Time <u>11/16/12 0800</u>	Company <u>TestAmerica</u>	Comments <u>1445</u>
Relinquished by <u>Becky C</u>	<u>11/15/12</u>	<u>1530</u>	Company <u>TestAmerica</u>	Received by <u>Becky C</u>	Date/Time <u>11/16/12 0800</u>	Company <u>TestAmerica</u>	Comments <u>1445</u>
Custody Seals Intact	Custody Seal No.: <u>35#L</u>						Cooler Temperature(s) °C and Other Remarks
△ Yes <input type="checkbox"/> No <input type="checkbox"/>							

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